



INTERNATIONAL CONFERENCE ON AI-DRIVEN HUMAN-CENTRIC SOLUTIONS AND SUSTAINABLE TRANSFORMATIONS

AI-HCSST 2025 (Hybrid Mode)

09 March - 11 March 2025

ABV-INDIAN INSTITUTE OF INFORMATION TECHNOLOGY AND MANAGEMENT GWALIOR

IMPORTANT DATES

| | | | | |
|---------------------|-------------------------|-----------------------------|---------------------|------------------------|
| JAN 31, 2025 | FEB 20, 2025 | FEB 28, 2025 | MAR 09, 2025 | MAR 10-11, 2025 |
| Submission Deadline | Acceptance notification | Payment of Registration Fee | Doctoral Colloquium | Main Conference |

Patron

Prof. S.N. Singh
Director, ABV- Indian Institute of Information Technology and Management, Gwalior

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Prof. Juliana Hsuan, CBS, Denmark
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Dr. Vikas Thakre, DRDE-DRDO

Organizing Secretary and Conference Chair

Prof. Gyan Prakash, ABV-IIITM Gwalior

Co-organizing Secretary and Co-chair

Dr. Amandeep Kaur, ABV-IIITM Gwalior

Doctoral Colloquium on Conducting Industry Relevant Research

09 March 2025

Interaction with Industry Forum

09 March 2025

Main Conference

10-11 March 2025

Industry Forum Partner



About AI-HCSST 2025

In recent times, Industry 4.0-driven solutions took the automation of manufacturing processes to a new level by introducing customized and intelligent production technologies. Connected machines communicate, cooperate with humans, make decisions, and operate independently in a customer-oriented production environment termed as Industry 5.0. The evolution from Industry 4.0 to Industry 5.0 is driving sustainability in manufacturing, embedding circularity, and configuring human-centric industry. Industry 5.0 entails transformation not only in industrial processes but also in the supply and consumption models, resulting in mass customization to personalization. This conference aims to deliberate and explore the prospects and challenges and will provide a platform for the researchers, academicians, professionals, and students from cross-disciplinary interests to interact and disseminate information on industry 5.0 and its impact on business.

About the Host Institute

ABV- Indian Institute of Information Technology and Management Gwalior is an institute of national importance under MoE, Government of India. Institute is pioneer in offering unique MBA programmes in the areas of IT enabled Services and Public Service Management & E-Governance. Institute's management programmes offer specialized electives in the areas of Operations and Technology Management, Information Technology & Systems. This coupled with electives in the areas of Marketing, Finance, and Human Resources positions the Institute in the frontiers of management thinking and practice. Doctoral students of the Institute are conducting cutting edge research in the niche areas of Management and Information Technology.

SUBMISSION TRACKS

Industry 5.0 in Medical Research

- Smart materials for manufacturing of personalised implants
- Collaborative robots (Cobots) for human surgery
- Additive manufacturing in medical industries
- Virtual Reality and Augmented Reality for medical research
- AI for sustainable healthcare supply chains
- Green AI in Healthcare
- AI and circular economy in healthcare
- AI driven discovery and disease detection

Integration of Emerging Technologies

- AI and machine learning in smart industries
- IoT and IIoT in next-generation factories
- 6G networks and their potential for Industry 5.0
- Autonomous systems in industrial environments
- Quantum computing applications in industrial optimization
- Intelligent transportation and mobility solutions
- Ethical AI for sustainable technology innovation
- Blockchain for secure industrial eco-systems

Industry 5.0 in Manufacturing and Services

- Intelligent solutions for future smart industries
- Cobots in manufacturing industries
- AI-based Big Data analytics for supply chain management
- Optimization of supply chain management with Big Data
- Cobots for packaging and delivery
- Digitization in finance, education, infrastructure, and retail
- Net zero energy transition and grid optimization
- Predictive maintenance for sustainable services

Industry 5.0 in Food Processing

- Application of IoT technologies in food industry
- Cloud systems and blockchain for traceability and monitoring
- Reducing loss, waste and improving quality and safety
- Manufacturing, automation, and control of food quality
- AI applications for optimization, and decision-making
- Predicting sensory and consumer preferences
- AI for sustainable food supply chains
- Waste management and circular economy

REGISTRATION FEES

| Participant Profile | Indian | Overseas |
|--|-----------|----------|
| Delegates from industry, academic, Government, R&D Institutions and non-profit organizations | INR 6,000 | US\$ 200 |
| Doctoral /Masters Students | INR 4,000 | US\$ 100 |

PAYMENT MODE

Participants are required to transfer the registration fee in the following account through bank transfer/ NEFT/ UPI:

| | |
|-----------------------|-----------------------|
| Bank Name | Bank of India |
| Account Name | ABV-IIITM FDP Account |
| Account Number | 945210110009380 |
| IFSC Code | BKID0009462 |
| MICR | 474013010 |
| SWIFT Code | BKIDINBB |

Registration

Please visit the link given below or scan the QR code:
<https://forms.gle/cx9Srvbm8H6Heh8>



Submission Link

Authors are requested to submit their paper using the following link or scan the QR:
<https://cmt3.research.microsoft.com/AIHCSST2025>



Conference Proceedings:

All the accepted and presented paper will be published in Scopus indexed conference proceedings.